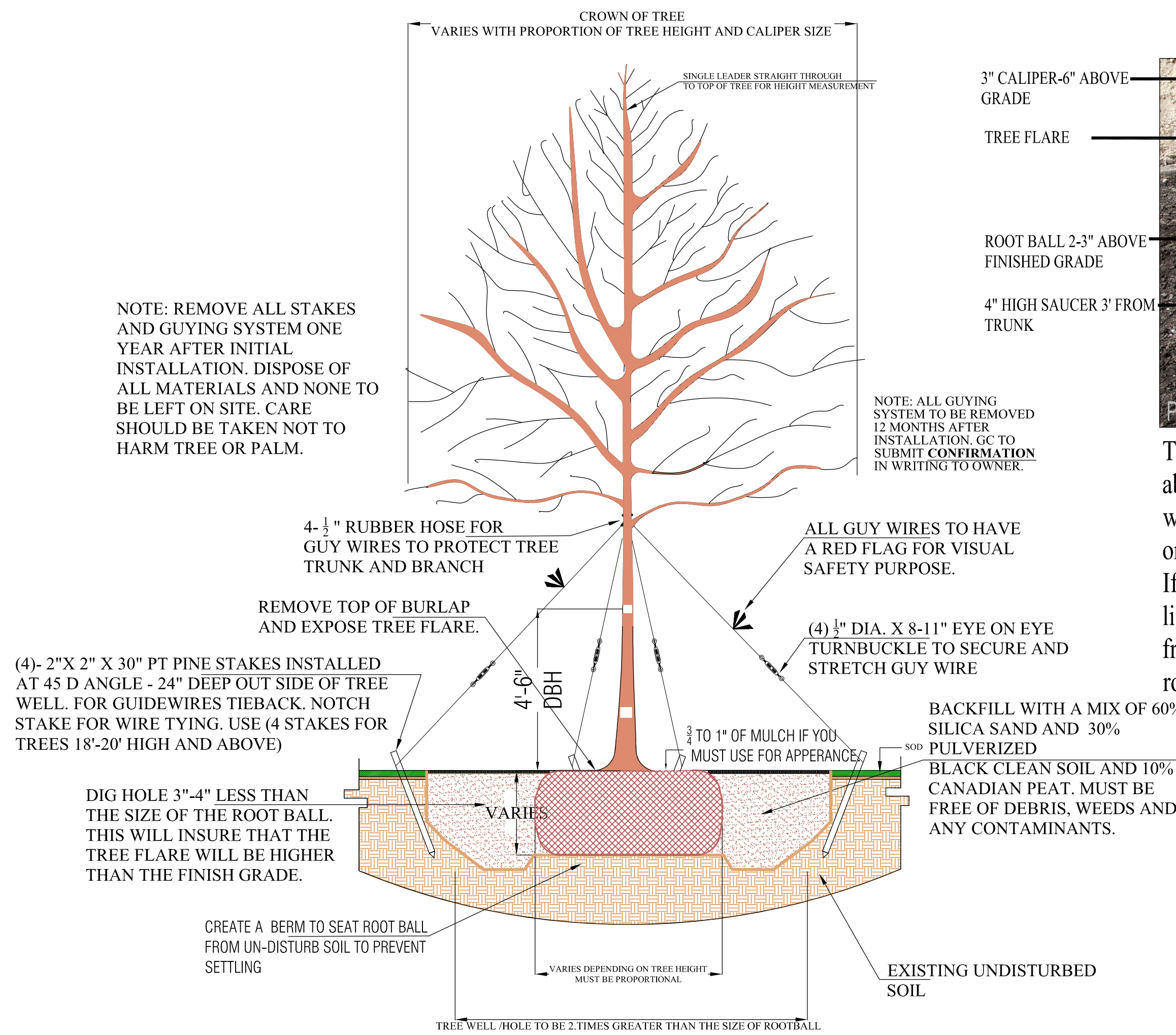


SPECIFICATIONS AND DETAILS



**TYP. TREE BRACING DETAIL
FOR A TREE 3 1/2" AND HIGHER**

GENERAL NOTES:

Landscape Contractor to read all and any questions to be brought up to the Landscape Architect.

- The Plans are copyrighted and it is the ownership of Mariano Corral, Landscape Architect for all the designs shown.
- The primary responsibility is to protect the welfare of the general public. General contractor is to protect the public by placing barriers, posted warning signage in visible areas that will cause conflict between construction with pedestrians as well as autos.
- Landscape contractor shall be informed and well verse to county or city codes and if any confusion, he/she shall read codes or contact Landscape Architect for clarifications.
- The locations of plant materials on plans are approximate. The final locations may be adjusted due to unforeseen field conditions, and safety factor to avoid creating unsafe visibility conditions.
- Landscape architect** shall not be responsible for the failure of the contractor not to be aware of proper procedures for installation of plant materials, safety procedures for securing trees, palms or shrubs while transporting plant materials to the site, and / or loading or unloading from transport vehicles.
- Detail sheets is a guide for plant installations and for making aware all trees and palms shall be secured from toppling over by its weight or by wind conditions. Landscape contractor shall be responsible and use all means to secure trees and palms from falling over especially after construction has finished for a period of one year. Periodical check of guy wires or other means of technical fastening shall be inspected at a min. of once a month or less. Provide highly visible warning flags for the public to see to avoid injury to pedestrians and autos. Use common sense.
- All plant materials shall be Florida #1 or better as set by the State of Florida Grades and Standards 1998 AND 2015 and as per ANSI 300.
- Landscape architect** shall not be responsible for methods of construction or plant installation or plant selection and quality. This lies solely on the Landscape contractor experience or general contractor, but will be subjected to inspection for quality assurance, and proper method of installation as per Florida Standards and on detail plans.
- Plan will always take precedence over plant list. Landscape Contractor or installer is responsible for checking the accuracy of the plans and any discrepancies to be brought to the attention of the Landscape Architect.
- Before commencing any work, it is recommended that the Landscape Contractor visit site and become familiarized with the site AND its surrounding areas (adjacent properties).
- General Contractor must have all utilities identified and carefully located for the safety, welfare of his workers as well as the general public. **Contact Sunshine State One-Call of Florida, Inc. 1-800-432-4770 -- 48 hours before installation.**
- During installation Landscape Contractor shall make all possible intent to secure area of work from the public for their safety and welfare.
- Landscape Contractor** shall obtain all necessary permits prior to beginning installation. Any existing trees that must be removed or transplanted must first receive approval by City or county.
- All existing Trees to remain shall be barricaded (if space is allowed) to the tree canopy drip line to prevent damage to the tree or palm during construction. A chain link fence cover with red vinyl at 5' high, with 2" posts for anchoring can be used. Careful care for tree trunks shall be taken. Periodically check for damage and repair.
- Landscape contractor shall be responsible for fine grading and prepare site as per outline in the following notes and as per plans. He/she shall furnish and install plants as per the minimum requirements of the city or county codes or exceed the min. requirements and/or as per Landscape Architects specifications.
- Landscape contractor shall be responsible to provide and install all plant materials – trees, shrubs, groundcovers, sod, fertilization, and mulch.
- Landscape Contractor:** Documentation that all newly proposed / installed Sabal palmetto utilized on site have come from a government approved donor site or were grown from seed at a register Florida nursery.
- LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL NEW TREES AND PALMS FOR A PERIOD OF ONE YEAR FROM DATE OF INITIAL ACCEPTANCE.**
- Landscape Contractor** or Owner's representatives shall provide a schedule for the timely removal of tree and palm guying. This should be accomplished within a 12 month period after installation, and should NOT exceed the 12 month period.



The TOP of TREE ROOTBALL shall be placed 3" above existing soil. This will insure that tree flare will be exposed and NO MULCH shall be placed on top of rootball.

If you must place mulch for appearance sake, lightly do so no more than 1/2" thick and 4" away from tree trunk. Create a 4" saucer around tree rootball 6' in diameter.



TYP. GUY WIRE AND HOSE WRAPING AROUND TREE BRANCHES

THIS DIMENSION WILL VARY DEPENDING ON CANOPY SIZE. ALL POST TO BE EQUAL SPACING ON CENTER. HOWEVER, MAX. DISTANCE BETWEEN POSTS SHALL BE 6'-0" O.C.

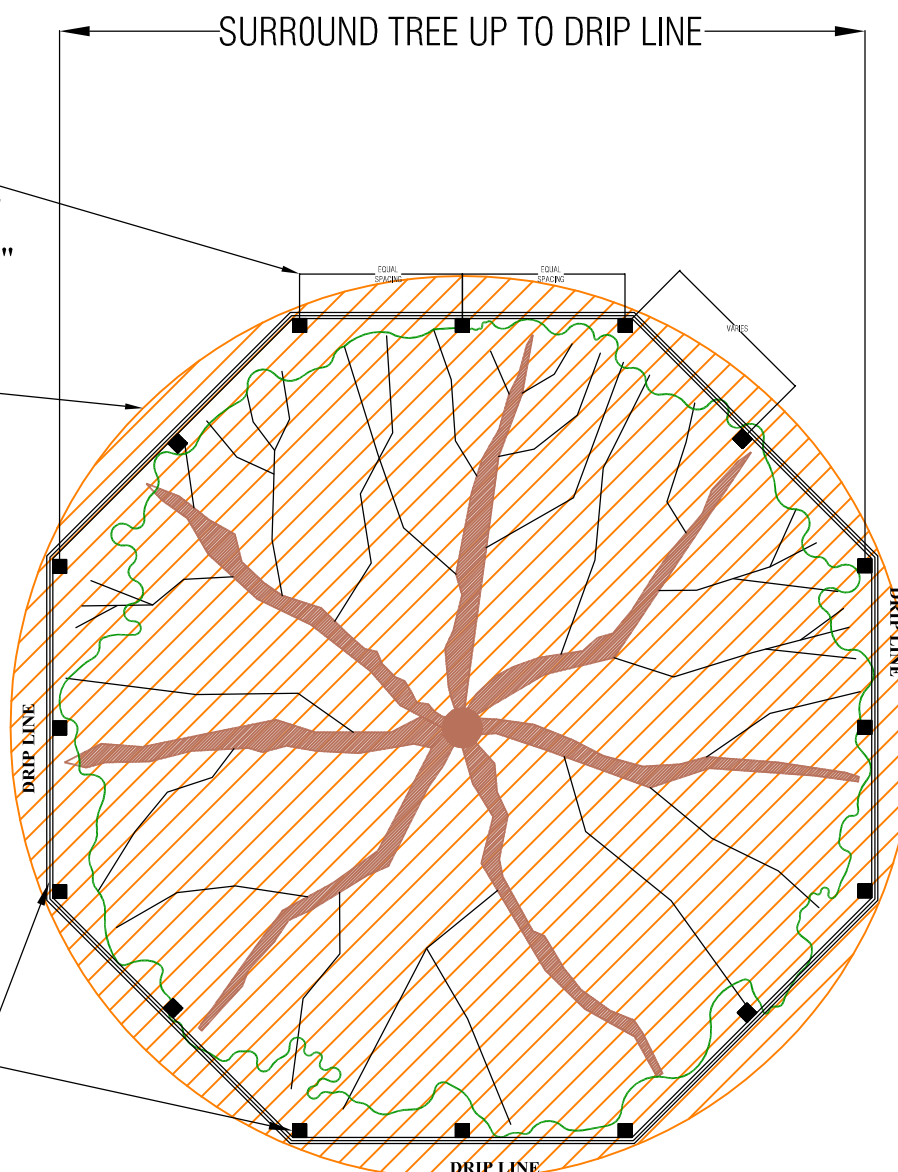
TREE ROOT ZONE: THIS AREA SHOULD NOT BE DISTURB. IF ANY TRENCHING SHOULD BE NEEDED FOR ANY IRRIGATION LINES THEN THE DEPTH SHALL BE 2" BELOW SOIL LINE OR UNDERNEATH THE MAIN LATERAL ROOTS. USE AN AIR SPADE TO REMOVE ANY SOIL CAREFULLY AND EXCAVATE WHILE NOT DAMAGING ROOTS. ALL SOIL REMOVED SHALL BE STOCK PILE NEAR BY AND REPLACED BACK TO ITS ORIGINAL LOCATION. WATER EVERY DAY FOR A MIN OF 3 MONTHS AND ADD ADDITIONAL APPROVED SOIL MEDIA MIX FOR ANY AREAS OF SETTLEMENT. RULE OF THUMB: FOR EVERY INCH OF CALIPER A ONE FOOT RADIUS DISTANCE FROM TREE TRUNK FACE.

5' HIGH CHAIN LINK FENCE TO PROTECT EXISTING TREES. POST INSTALLATION SHALL STAY CLEAR OF ANY MAJOR ROOTS. FENCE TO BE A MIN. OF 10' FROM FACE OF TRUNK. PREFERABLY TO BE PLACED UNDER DRIP LINE IF SPACE IS AVAILABLE. MAINTAIN AND REPLACE AS NEEDED THE BARRIER FENCE FOR TWO YEARS MIN. OR UNTIL CONSTRUCTION HAS BEEN COMPLETED.

TREE PROTECTION BARRIER DETAIL

(NOT TO SCALE)

WARNING: DO NOT FERTILIZE NEWLY INSTALLED PLANT MATERIALS UNTIL APPROXIMATELY 2 TO 3 MONTHS AFTER PLANTING. NEW INSTALLED PLANTS ARE ALL READY FERTILIZED BY THE NURSERY GROWER.



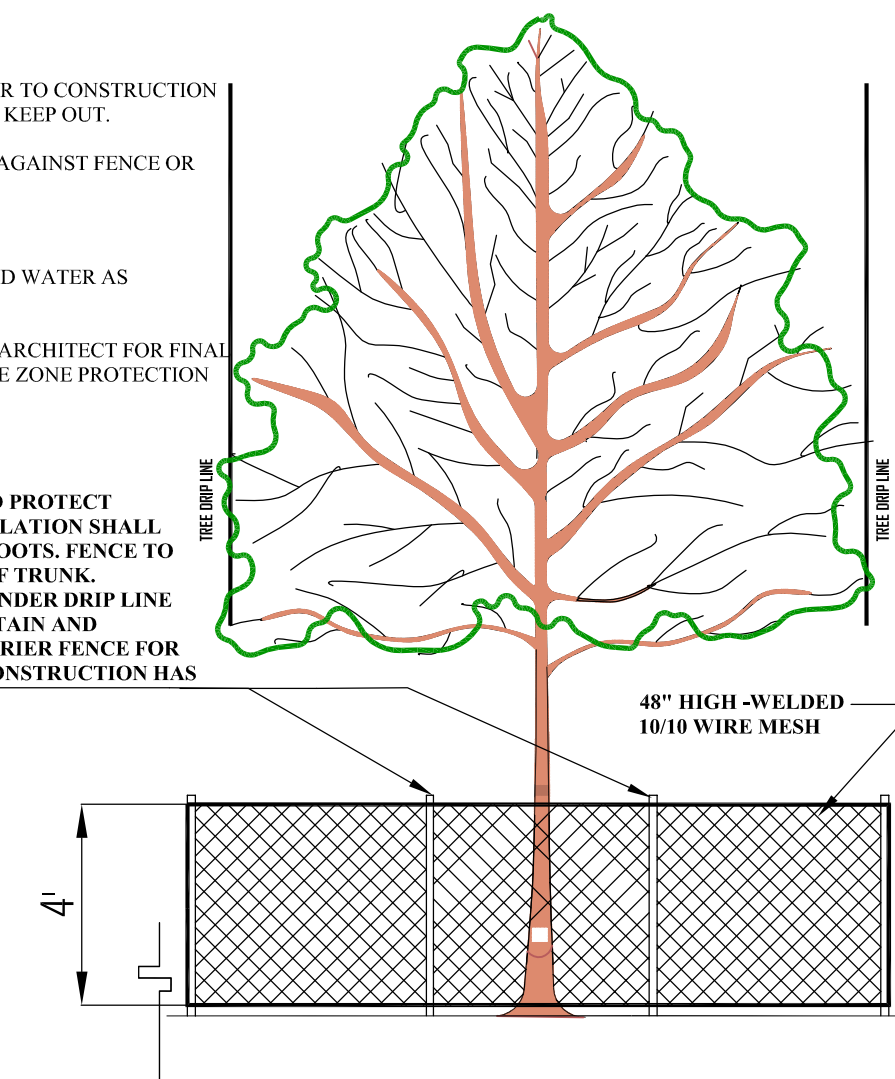
ERECT FENCE PRIOR TO CONSTRUCTION AND POST SIGN TO KEEP OUT. DO NOT PILE SOIL AGAINST FENCE OR ROOTS.

MONITOR TREE AND WATER AS NECESSARY. CALL LANDSCAPE ARCHITECT FOR FINAL APPROVAL OF TREE ZONE PROTECTION AREA.

5' HIGH CHAIN LINK FENCE TO PROTECT EXISTING TREES. POST INSTALLATION SHALL STAY CLEAR OF ANY MAJOR ROOTS. FENCE TO BE A MIN. OF 10' FROM FACE OF TRUNK. PREFERABLY TO BE PLACED UNDER DRIP LINE IF SPACE IS AVAILABLE. MAINTAIN AND REPLACE AS NEEDED THE BARRIER FENCE FOR TWO YEARS MIN. OR UNTIL CONSTRUCTION HAS BEEN COMPLETED.

TREE PROTECTION BARRIER ELEVATION

(NOT TO SCALE)



ALL PLANTING BEDS TO USE EUCALYPTUS GRADE A MULCH, OR ECO MULCH, OR SHREDDED WOOD PRODUCTS AND AS APPROVED AND CERTIFIED BY THE NATIONAL SOIL AND MULCH COUNCIL. (NO RED MULCH PLEASE)

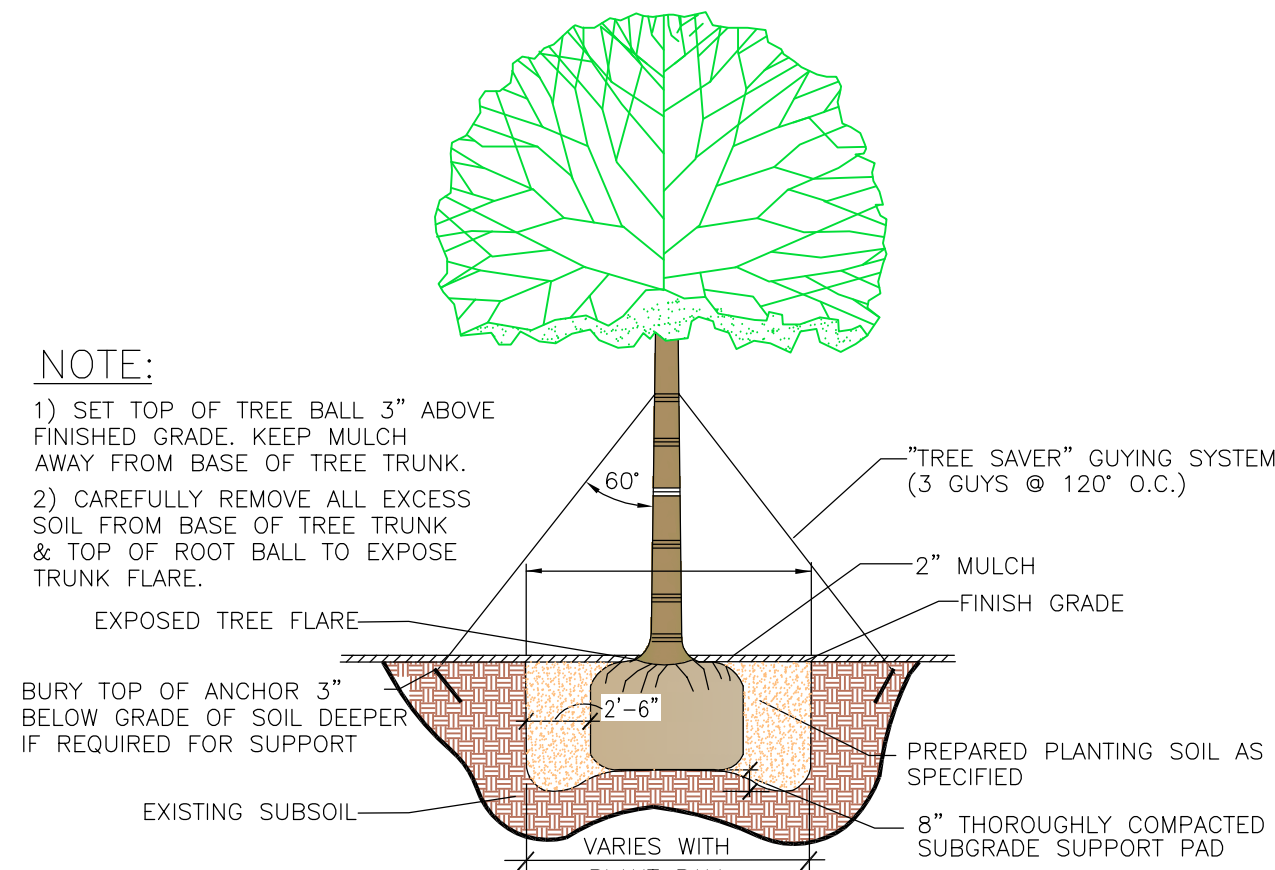
PAGE TWO

SITE PREPARATION AND SOILS

- All compacted soils shall be tilt and loosen cause by heavy machinery during construction. This will allow for proper percolation and drainage.
- All lime rock within planting areas must be removed to a depth of 3' feet. Replace material with specified planting soil.
- All lime rock, asphalt or debris within parking islands, corner parking islands, and entry islands, shall be removed to a depth of 3 Feet. In the event of a refurbishing or establishing a new parking island with the used of extruded curves over an existing asphalt parking lot, the same will apply as to removal of asphalt and lime rock as stated above and the use of proper planting soil.
- Site preparation is the removal of all debris, sticks, rocks, rubbish, weeds, contaminated soils, and dead materials.
- Final fine grading shall be 2" below any paved areas, top of curbs or sidewalks and landscape islands without curbs.
- PLANTS MUST NOT BE PLANTED ON TOP OF ROOT BALL
- Landscape contractor shall test for PH before installation. Any PH results above 7.5 PH (Alkalinity) shall be removed and replaced with PH from 6.5 to 7.5 PH native soils or as per specified media.
- Whenever possible if the existing soil media on site is fertile and fairly clean, Landscape contractor shall use existing soil as backfill for newly planted trees. He/she shall prepare a written report guaranteeing that the existing soil media is free of any type contamination prior to installation. It is recommended that soil samples should be taken to determine soil nutrient deficiency and the absorption and percolation rate in order to determine a proper course of action for the survival of all plant materials.
- Landscape Contractor shall have made research that all plant materials were available at time of bidding as per plans. No substitution shall be made without the consent of the landscape architect.
- If Substitutions are made the Landscape architect shall make revisions to plans and Landscape Contractor shall be responsible to re-submit to city and received approval from city staff prior to commencing work.
- SOIL MEDIA: All newly proposed planting beds on site will be composed of 60% coarse silica sand, 30% good clean pulverized black soil and 10% Canadian Peat. Soil shall be thoroughly mix and delivered on site free of debris, weeds, and gravel. This composition of media to be provided and installed in the event existing soil conditions is not in an acceptable conditions for the survival of all the propose new plants.
- Landscape contractor shall treat site with a pre-emergence herbicide after all weeds and gravel/ debris have been removed. There shall be a 7 to 10 days waiting period before installing the plant materials.
- FERTILIZER TO USE AT TIME OF INSTALLATION:**

No fertilizer is necessary if plant materials are obtain from quality control and reputable nurseries. Those plant materials should have been properly fertilize before being release to the public. At the sole discretion of the landscape installer / contractor, since he/she will be responsible for guaranteeing and maintaining the plant materials for a one year period from the time the installation is completed and accepted by either LA or owner's representative, to provide the appropriate fertilization. We recommend the following:
PALM SPECIAL # 9836. This is an 8-2-12 (nitrogen, potassium, and minor elements) for all Trees, Palms, shrubs and groundcovers. It can be obtained from ATLANTIC FERTILIZER IN HOMESTEAD, FL. 18375 SW 260th Street. **Contact Patrick Coyle at (305) 986-0671.** Landscape Contractor can use **1 pound per tree**, and a hand full or **3 tablespoons per shrub** for all and each shrub and groundcover. Palm trees shall receive 2 lbs. of fertilizer per palm tree. Fertilizer shall be place on top of root ball and 4" inches away from trunk. **Milorganite**, will not be acceptable, however, slow release tablet fertilizers or equal acceptable by the FNGA nursery industry, and can be used at time of planting if Palm Special is not available and installation of materials is on a sandy loam VS rock-limestone condition. It is best to follow manufacture's recommendation for application.

- Landscape Contractor to use Best Management Practice for all his scope of work.
- All planting grading shall slope away from buildings, and structures for proper drainage. Always check with civil engineers plan, or the party responsible for grading if Landscape Architect was not responsible for such work.
- General contractor shall keep one copy of the landscape plans on site, clean and protected for the use by city officials, landscape architect and owner's representative.
- General contractor and Landscape contractor shall abide by all local building codes.

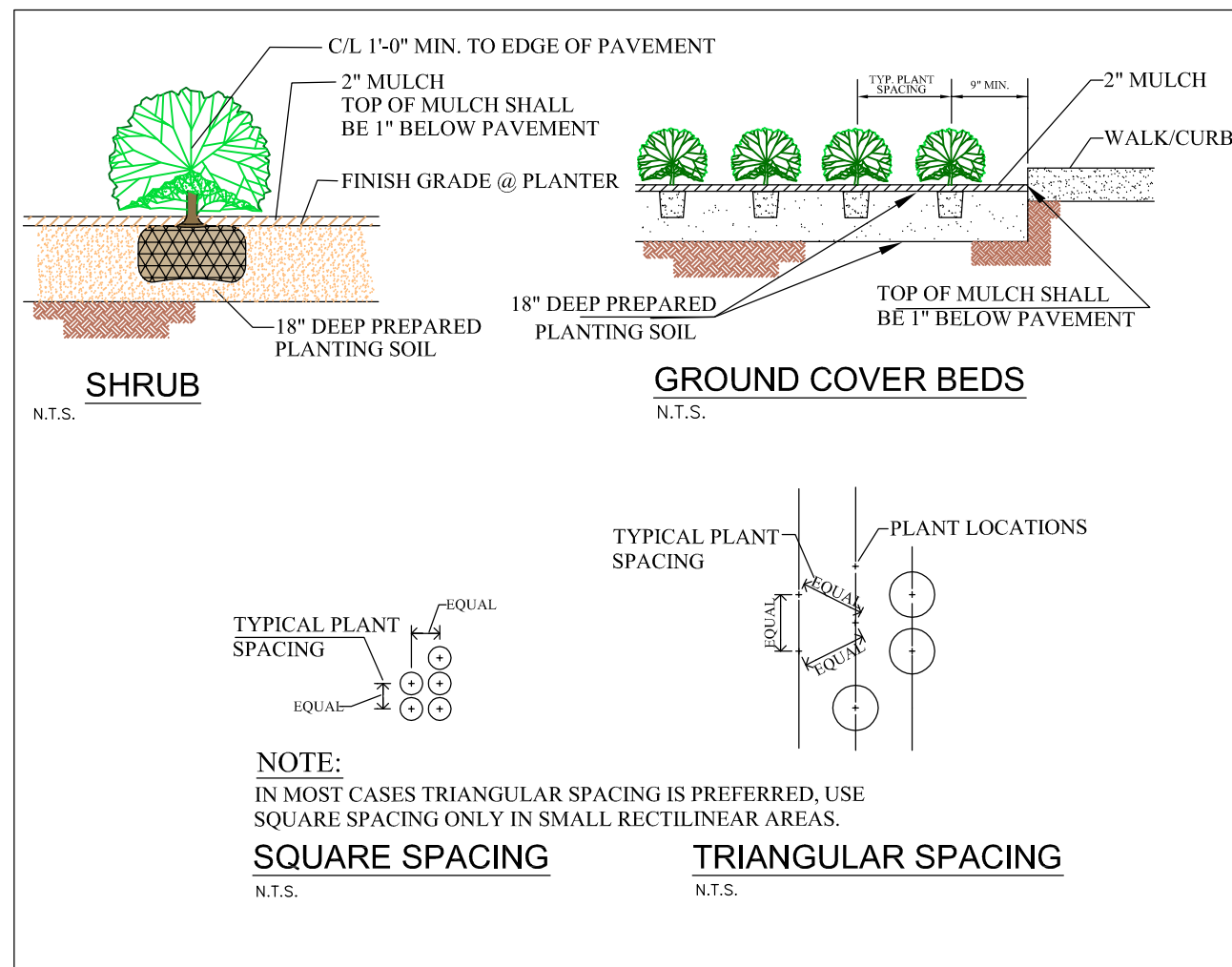


NOTE:

- SET TOP OF TREE BALL 3" ABOVE FINISHED GRADE. KEEP MULCH AWAY FROM BASE OF TREE TRUNK.
- CAREFULLY REMOVE ALL EXCESS SOIL FROM BASE OF TREE TRUNK & TOP OF ROOT BALL TO EXPOSE TRUNK FLARE.
- EXPOSED TREE FLARE
- BURY TOP OF ANCHOR 3" BELOW GRADE OF SOIL DEEPER IF REQUIRED FOR SUPPORT
- EXISTING SUBSOIL
- "TREE SAVER" GUYING (3 GUY'S @ 120° O.C.)
- "TREE SAVER" GUYING (3 GUY'S @ 120° O.C.)
- PREPARED PLANTING SOIL AS SPECIFIED
- 8" THOROUGHLY COMPACTED SUBGRADE SUPPORT PAD

"TREE SAVER" GUYING AS RECOMMENDED BY MANUFACTURERS & SUPPLIED BY: MOD.-15-0020-LB/24 LAWSON & LAWSON, INC. PHONE (800) 833-5323

OPTION TWO:
SINGLE STEM TREE GUYING (1-1/2" - 3" CAL.)
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